



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

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नई दिल्ली शनिवार, मार्च 25, 1995 (चैत्र 4, 1917)

No. 12]

NEW DELHI, SATURDAY, MARCH 25, 1995 (CHAITRA 4, 1917)

"इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 (PART III—SECTION 2)

पेटेन्ट और डिजाइन द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस।  
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CALCUTTA, 25TH MARCH, 1995

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Bose Road, Calcutta-700 020.

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Telegraphic address "PATENTS".

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पेटेंट कार्यालय  
एकस्थ तथा अभिकल्प  
कलकत्ता, दिनांक 25 मार्च 1995

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शास्त्र कार्यालय हैं, जिनके प्रादर्शनक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शास्त्र, टोडी इस्टेट, तीसरा तल, लोअर परलैन (पश्चिम), बम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य इंद्रेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, बम्बन तथा दोब एवं दादरा और नगर हवेली।

तार पता—“पेटेंटफिस”

पेटेंट कार्यालय शास्त्र, एकक सं. 401 से 405; तीसरा तल, नगरपालिका बाजार भवन, सरस्वती मार्ग, करोल बाग, नई दिल्ली-110005।

हुरियाणा, हिमाचल प्रदेश, गम्म तथा कर्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र अंडमान तथा दिल्ली।

तार पता—“पेटेंटोफिक्स”

CORRIGENDUM

In the Gazette of India, Part-2 dated the 19th November, 1994, In Page-1044, Column-2 for application for Patent No.-289/Cal/90 filed on 06th April, 1990 read the applicant & address as WATERGUARD INDUSTRIES INC of P.O. BOX 1079 CHANNELVIEW, TEXAS 77530, UNITED STATES OF AMERICA instead of CLARENCE SEXTON FREEMAN OF 16242 KATHERIN LANE, CHANNELVIEW, TEXAS 77530, UNITED STATES OF AMERICA.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGDISH BOSE ROAD, CALCUTTA-20.

The dates shown in the crescent branch are the dated claimed under section 135, of the Patent Act, 1970.

08-02-1995

119/Cal/95 : Spherilene S.r.l. Process for the gas phase polymerization of  $\mathcal{E}$ -olefins.

120/Cal/95 : O.P. Bhuwania. An improved catalytic reduction process for manufacturing iron oxide.

121/Cal/95 : Windmoller & Holscher. Method and mechanism for manufacture of packing cases liquid.

122/Cal/95 : McNeil-PPC, Inc. Body conforming absorbent article. (Convention No. 198809; filed on 18-2-94; U.S.A.).

123/Cal/95 : Eagle-Picher Industries GmbH. Cylinder head gasket, in particular cylinder head gasket and method for its manufacture. (Convention No. P1051917; filed on 21-2-1994; Germany).

पेटेंट कार्यालय शास्त्र,  
61, बालाजाह रोड,  
मद्रास-600002।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पारिंडचेरी, लक्ष्मीपुर, मिनिकाय तथा एमिनिदिवि एवं प्रदीप।

तार पता—“पेटेंटफिस”

पेटेंट कार्यालय (प्रधान कार्यालय), निजाम पैलेस, दिवतीय बहुतलीय कार्यालय, भवन 5, 6 तथा 7वां तल, 234/4, आचार्य जगदीश बोस रोड, कलकत्ता-700020।

भारत का अवशेष क्षेत्र।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय से नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आवेदन या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अन्सूचित बैंक से नियंत्रक को भुगतान योग्य बैंक भ्राफ्ट अथवा बैंक ब्यांका की जा सकती है।

124/Cal/95 : Keravision, Inc. An electrosurgical procedure for the treatment of the cornea. (Convention No. 08/194,207; filed on 9-2-94; U.S.A.).

125/Cal/95 : Seb S.A. Method for applying decoration to culinary utensil and a utensil so formed.

126/Cal/95 : Goldstar Co. Ltd. Wind direction controlling apparatus for air conditioner.

127/Cal/95 : Dr. B. K. Satpaty, Manager (Spl. Alumina) and Sri S C Patnaik, Jr. Mgr. (Lab.). Preparation of low soda, high alpha and pure alumina by leaching gamma alumina followed by calcination with additives.

09-02-1995

128/Cal/95 : E.I. Du Pont De Nemours and Company. Arthropodicidal Tetrahydropyrimidines. (Convention No. 194,214, 278,597; dated are 9-2-94, 21-7-94; U.S.A.).

129/Cal/95 : Hoechst Aktiengesellschaft. Process for the preparation of tetrachloro-1, 4-Benzooquinone. (Convention No. P4405929.9; filed on 24-2-1994; Germany).

130/Cal/95 : Incitec Ltd. Granular Area. (Convention No. PM3835; dated 11/02/94; Australia).

131/Cal/95 : Betz International Inc. Methods for inhibiting deposition and fouling in scrubber systems. (Convention No. 2,119,050; 15/03/94; Canada).

10-02-1995.

132/Cal/95 : Sri Tirthankur Mukherjee. The essential part for solar-energy-application.

133/Cal/95 : E.I. Du Pont De Nemours and Company. Processing aid system for polyolefins. (Convention No. 196,740; filed on 15-2-1994; U.S.A.)

134/Cal/95 : Bar-Ilan University. Plant Protection using fish oil.

135/Cal/95 : CCL Systems Limited. Thread formation. (Convention No. 9402966.7; dated 16-2-94; U.K.)

#### ALTERATION OF ADDRESS OF PATENT AGENT

In pursuance of an application on form 52 filed by I.N. Kapoor on 11th January 1995, the addresses of residence, principal or branch offices have been altered to.

Ismail Noormohamed Kayser,  
Mahalaxmi Building,  
2nd Floor, 37, Maruti Lane,  
Fort, Bombay 400001.

#### ALTERATION OF DATE UNDER SECTION 16

(316/DEL/89). FILED ON 06 APR. 1989 ANTE DATED TO 30 JAN. 1984.

(174868)

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice, or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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#### स्वीकृत सम्पूर्ण विनिवेश

एतद्वारा यह सूचना दी जाती है कि सम्बवध आवेदनों में से किसी पर पेटेट अनुबान का विरोध करने के इच्छुक कोई व्यक्ति, इसके प्रियमुक्ती की तिथि से बारं (4) महीने या अधिक एसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्ण घटें

नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपर्युक्त कार्यालय को एसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी सिविल वक्तव्य, उक्त सूचना के साथ अथवा पेटेट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने आहिए।

“प्रत्येक विनिवेश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिवेशों की टंकित अथवा फोटो प्रतियों की आमूर्ति पेटेट कार्यालय, कलकत्ता अथवा उपर्युक्त शास्त्र कार्यालय द्वारा विहित लिपान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-म्बवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिवेश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिवेश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से 4 गण करके, (क्योंकि प्रत्येक पृष्ठ का लिपान्तरण प्रभार 2/- रु. है) फोटो लिपान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : G06 F 7/00

174851

Int. Cl. : 206 E

“AN IMPROVED SYSTEM FOR STUDYING FOURIER COMPONENTS WITH RELATIVE AMPLITUDE OF A COMPLEX WAVE”.

Applicant : SHAIL MITTAL, 2151/T-7C, NEW PATEL NAGAR NEW DELHI-110 064 (A Indian National)

Inventor : RAJENDER KUMAR MITTAL

Application for Patent No. 824 DEL 89 filed on 15th September, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### Claims 3

A study for studying fourier components with relative amplitudes of a complex wave comprising a stabilized dual power supply unit for supplying power to the integrated circuit function generator producing squares, triangular and sine wave form and an analyser connected across the said generator wherein said analyser consists of a tuned circuit at a fixed frequency of value F and an amplitude potentiometer means is provided between the said power supply unit and the generator for varying the input frequency of the said generator to  $F/3, F/5, F/7, \dots$  to obtain a pure sine wave of frequency F across the tuned circuit in order that the value of Q of the tuned circuit does not change and thereby indicate the existence of the third-fifth, sevenths, ..., harmonics with relative amplitude.

Compl. Spec. 7 pages

Drawn. Sheets 2

Ind. Cl. : H 01 H 1/00

174852

Int. Cl. : 69 A

## CONTACT FOR A VACUUM BREAKER.

Applicant : KABUSHIKI KAISHA TOSHIBA, OF 72, HORIKAWA-CHO, SAIWAI-KU, KAWASAKI-SHI, KANAGAWA-KEN, JAPAN.

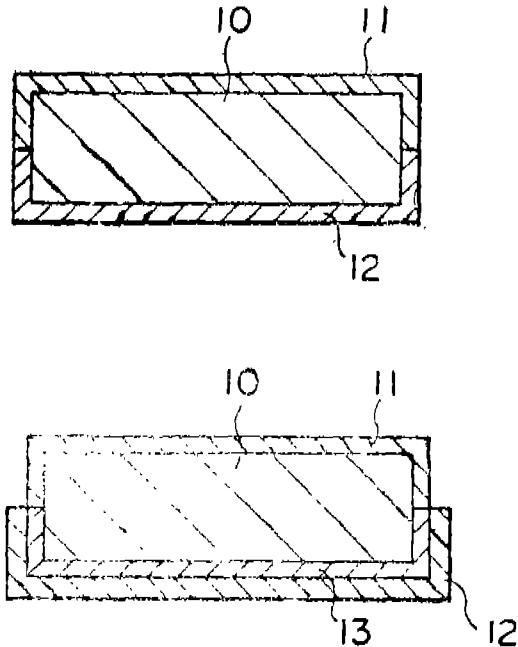
Inventor : HAJIMA FUJITA, SEISHI CHIBA, TSUTOMU OKUTOMI, KAZUO SUZUKI, MASAMI IDEHARA, MITSUTAKA HONMA, SEIKICHI TAKASHIMA.

Application for Patent No. 469 DEL 89 filed on 29 May 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Delhi.

## Claims 10

A contact for a vacuum breaker, said contact having a metal coated layer comprises at least one metal selected from the group consisting of Cu, Ag, Ni, Sn, In, Fe and alloys thereof, said metal coated layer having a thickness of 10 um or less and consisting of at least a part of the surface of a breaker contact substrate having a predetermined shape, a part of said metal coated layer being diffused into at least a part of said contact substrate.



Com. Specn. : 27 pages

Drwgn. Sheets : 2

Ind. Cl. : 98 I

174853

Int. Cl. : F 24J 2/00

## AN IMPROVED CONCENTRATING TYPE SOLAR COOKER.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

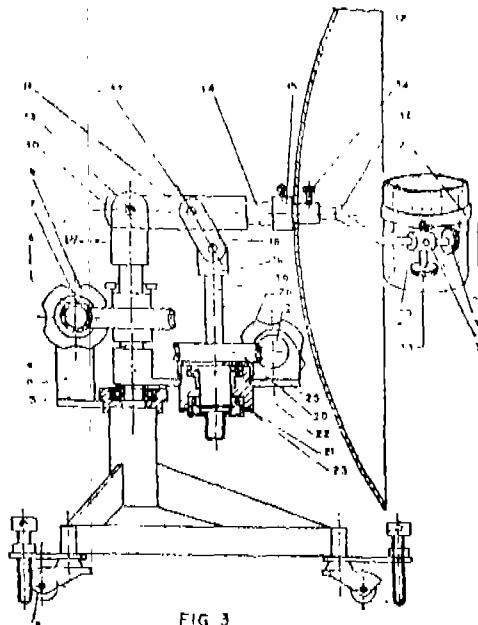
Inventor(s) : ASHOK KUMAR AGARWAL

Application for Patent No. 551/DEL/89 filed on 27-6-89

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## Claims 4

An improved concentrating type solar cooker which comprises a stand consisting of a body (1) being provided with two axis tracking devices—one for the vertical rotation and the other for the horizontal rotation of the concentrator (12), the stand being supported at the base by means (2) suitable for the free movement of the cooker, the stand also being provided with means (3) at the base for upward and downward movement of the cooker, the tracking device for vertical rotation of the concentrator (12) being connected to the body (1) through shaft (4) and bearings (5), the said tracking device comprising a wormgear (6) meshing with worm (7) and provided with knob (9) and supported by housing (8), the housing (8) having holes through which means (9) being connected to the concentrator (12) through linkages (10, 11, 14, & 13) for the movement of the concentrator along the vertical axis, another wormgear (20) meshing with worm (24) and provided with knob (26) is being fixed to the housing (21) through the means (22, 23, & 25) and which is also being connected to the shaft (4), the said wormgear (20) having a screw (10) being attached to the concentrator through linkages (16, 17 & 18 and 11, 14 & 15) for the movement of the concentrator (12) along the horizontal axis, the said concentrator (12) being provided with means at its centre for holding a cooking utensil through the means (34) which is being connected to the said linkage (11).



(Comp. Specn. 11 pages;

Drgs. sheets 4)

Ind. Cl. : 158 D LII (2) E.

174854

Int. Cl. : B 61 F, 15/20

## STEERING APPARATUS FOR USE ON A RAILWAY VEHICLE.

Applicant : UTDC INC., A COMPANY INCORPORATED UNDER THE LAWS OF CANADA, OF P.O. BOX 70, STATION A, KINGSTON, ONTARIO, CANADA K7M 6P9.

Inventors : 1. SMITH ROY EDWARD  
2. TIMAN PETER EDWARD

Application No. : 646/DEL/88 filed on 28-7-88

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office Branch, New Delhi-5.

## Claims 6

A steering apparatus for use on a railway vehicle, said railway vehicle having a car body mounted on at least two trucks thereof, at least one of said trucks having inboard and outboard wheelsets (14,12), and a truck frame (20), each of said wheelsets (14,12) having a steering yoke (16, 18) attached thereto, the two said yokes (16,18) having a pivotal interconnection (17), the steering apparatus being characterised by each said steering yoke (16, 18) having a generally C shaped configuration and extending laterally from adjacent one wheel of a said wheelset (14,12) to adjacent the opposite wheel of the wheelset (10,12), each said steering yoke (16,18) extending inwardly toward the other yoke (16,18) of said truck and said wheelsets (14,12) supporting said truck and pivotal with respect to said truck about a generally vertical axis and, by

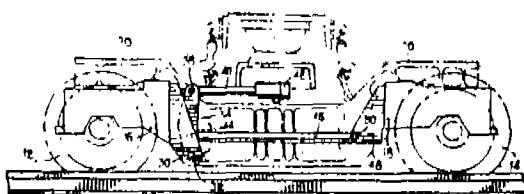
a steering means (30,40,34,44,46) for guiding said wheelsets (14,12) to a radial alignment when said vehicle is travelling on circular curved track, said steering means being independent of any direct pivotal connections to said truck frame, said steering means comprising,

a steering link (40) connectable to said car body remote from the longitudinal center line of said car body,

a steering lever (34) pivotally connected to said steering link (40), and

linkage means (36) interconnecting said steering lever (34) and said inboard and outboard yokes (14,18) whereby longitudinal movement of the respect to said truck when said truck rotates with respect to said body guides said wheelsets (14,12) to a radial alignment.

FIG. 1



(Comp. Specn. 10 pages;

Drgs. Sheets 3)

Ind. Cl. : 19A 13, B2 A.

174855

Int. Cl. : E21 D 20/00, 20/02 23/00

**AN IMPROVED ROPE TRUSS DEVICE FOR SUPPORTING THE ROOF OF THE UNDERGROUND MINES.**

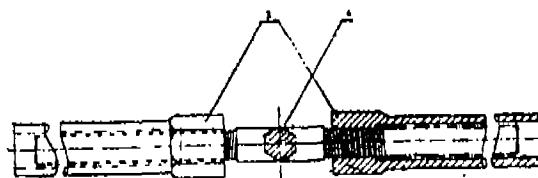
Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : NADIMPALLI MURTHY RAJU  
BHAGWANT SINGH  
DHANESH SHARMA  
SIVADANI PRASAD SINHA  
LALIT MOHAN PRASAD  
RAMA SAHU  
BIDYA NAND MISHRA.

Application for Patent No. 851/DEL/89 filed on 24-12-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

An improved rope truss device for supporting the roof of the underground mines to prevent its collapse which comprises two metal sleeves (3) on one end of each sleeve having a rope (1) joined (crimped) so as to effect rigid joining of the sleeve and the rope, characterised in that the other end of the sleeves having threading inside a bolt (4) having a right hand threading (clockwise threading) on one end and left hand threading (anticlockwise threading) on the other end being engaged between the said two sleeves.



(Prov. Specn. 3+Comp. Specn. 7+10

Drgn Sheet 1)

174856

Ind. Cl. : 131C

Int. Cl. : E 21 D 15/00

**AN IMPROVED PIT PROP FOR USE AS SUPPORT FOR THE ROOF OF MINES.**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : NADIMPALLI MURTHY RAJU  
BHAGWANT SINGH  
DHANESH SHARMA  
SIVADANI PRASAD SINHA  
LALIT MOHAN PRASAD  
RAMA SAHU  
BIDYA NAND MISHRA.

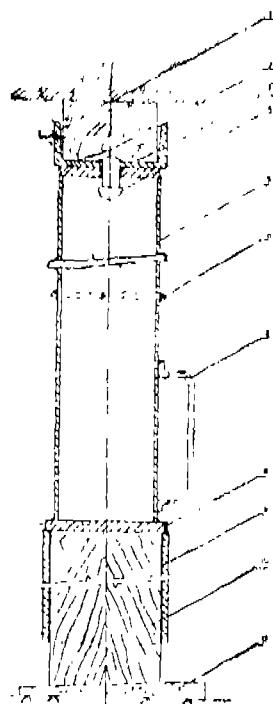
Application for Patent No. 852/DEL/89 filed on 24-12-90.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent office Branch, New Delhi-110005.

## Claims 2

An improved pit prop for use as a support for the roof of mines which comprises a pipe (5) characterised in that the lower end of the said pipe (5) being provided with a plate (8) having a larger diameter than the said pipe (5) so as to incorporate another hollow pipe (9) a wooden block (10) inserted into the said pipe (9) if required for adjusting the height of the prop depending on the height of the roof of the mines to be protected; the top of the said pipe (5) being provided with a plate having a hole, a channel piece (3) being fixed to the said hole through means (4) for providing swivelling movement so as to facilitate support for the roof having uneven surface, a wooden lid (2) placed over the said channel and fixed to it by means (1), the pipe

(5) being provided with a ring (6) and a handle (7) for easy handling, transportation and erection wooden wage (11) placed under the prop (10) to tighten the said pipes (5,9) against the roof.



(Prov. Specn. 3 Compl.+Specn. 7=10 pages; Drg. sheet 1)

Ind. Cl. : 131C

174857

Int. Cl. : E 21 D 17/00

A QUICK SETTING CHOCK FOR SUPPORTING THE ROOF OF UNDERGROUND MINES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

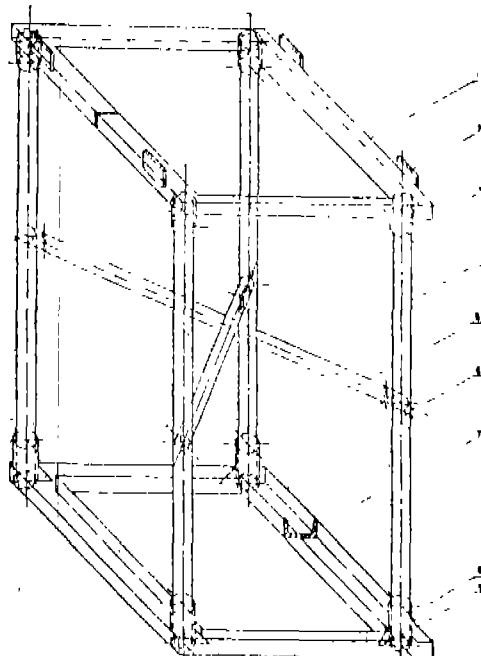
Inventor(s) : NADIMPALLI MURTHY RAJU  
BHAGWANT SINGH  
LALIT MOHAN PRASAD  
SHIVADANI PRASAD SINHA  
RAMA SAHU  
BIDYA NAND MISHRA  
VELLANKY VENKATESWARLU

Application for Patent No. 854/DEL/89 filed on 24-12-90

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims 2

A quick setting chock for supporting the roof of underground mines which comprises a base frame (7) with holders (8), four vertical pipes (4) fitted in the said holders (8); a top frame (1) provided with matching holders (3) for fitting the said vertical pipes (4), each of the said vertical pipes being provided with a plate (6) for fixing spacers for connecting the diagonally opposite vertical pipes to provide suitability to the chock.



(Pfo. Spec. 3+compl. Spec. 7=10 pages; Drgn. sheet 1)

Ind. Cl. : 128 A BMO

174858

Int. Cl. : B 23 D

A PRESS DIE.

Applicant : SAMSUNG ELECTRON DEVICES CO. LTD. OF 575, SHIN-RI TAEAN-EUB, HWASEONG-GUN, KYUNGGI-DO, KOREA, A KOREAN CORPORATION.

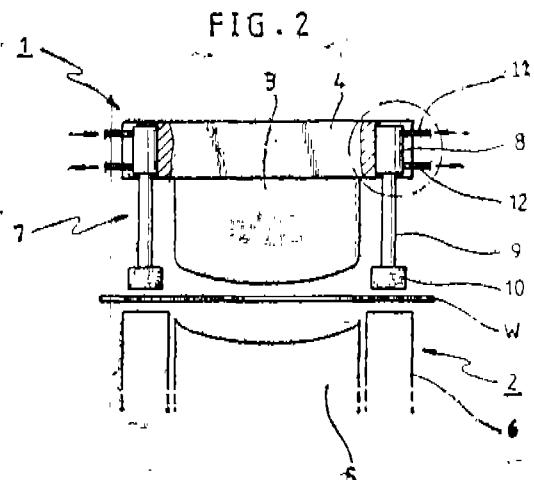
Inventor : CHANG-SIK WEON

Application for Patent No. 1023 DEL 89 filed on 7th November, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

Claims 2

A press die comprising an upper assembly, a lower assembly, and a plurality of strippers installed on either around the punch included in the upper assembly or around the die included in lower assembly, characterised in that each of said plurality of strippers comprising of a hydraulic cylinder, a piston rod actuating in the said cylinder in each stroke, and a pad installed at the leading end of the said piston rod, and hydraulic circuit for supplying the operating fluid having the required pressure level to the said hydraulic cylinder.

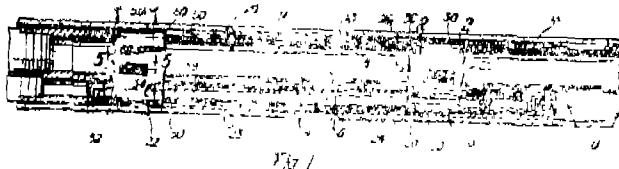


(Comp. Specn. 9 pages;

Drgn. 2 sheets)



wherein said engagement edge (70) of said slip element and said first edge (72) of said slip window (56) have corresponding angular slopes such that upon longitudinal movement of said outer sleeve (54) said first edge (72) engages said engagement edge (70) of said slip element (52) thereby retracting said slip element (52) radially inwardly.



Compl. Specn. 16 pages

Drgs. 2 sheets

Ind. Cl. 32 F.C

174862

Int. Cl. : C 07 C 102/08, C 12 P 13/00, 13/02

## A PROCESS FOR PRODUCING AN AMIDE.

Applicant : HIDEAKI YAMADA, A JAPANESE CITIZEN, AND NITTO KAGAKU KOGYO KABUSHIKI KAISHA, A JAPANESE CORPORATION, OF 19-1, MATSUGASAKI-KINOMOTO-CHO, SAKYO-KU, KYOTO-SHRI, KYOTO-FU, JAPAN AND 5-1, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO-TO, JAPAN.

Inventors : TORU NAGASAWA, HIDEAKI YAMADA.

Application for Patent No. 782/Del/88 filed on 16 September, 1988.

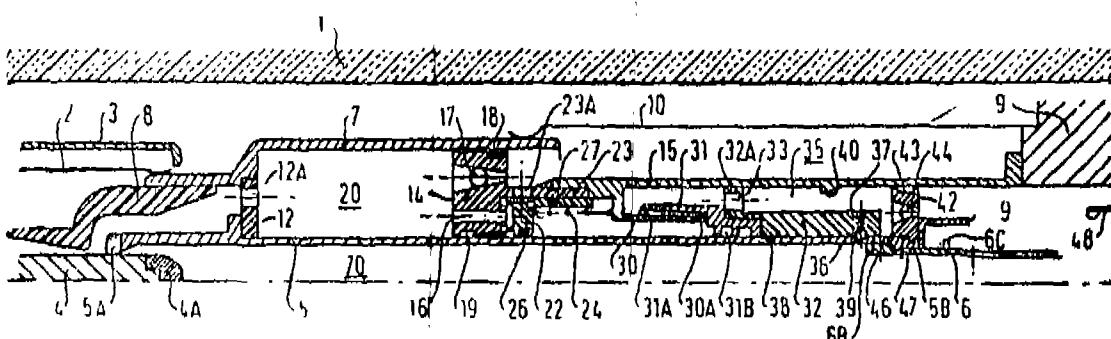
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 7 Claims

A process for producing an amide having 4 to 10 carbon atoms in its aromatic nucleus or an aliphatic nitrile having 2 to 6 carbon atoms said process comprising hydrating a nitrile such herein described into its corresponding amide by the action of an enzyme nitrile hydratase obtained from a culture medium having a micro-organism of the species Rhodococcus rhodochrous and a cobalt ion.

Compl. Specn. 29 pages

Drg. 1 sheet.



Compl. Specn. 13 Pages

Drgs. 4 sheets

Ind. Cl. : 145 D

174864

Int. Cl. : B 65 H 35/00

## APPARATUS FOR REFINING A PAPER MATERIAL.

Applicant : KABUSHIKI KAISHA SATOMI SEISAKUSHO, A JAPANESE CORPORATION, OF 1317-12, FUJI-OURLI, SHIZUOKA-SHI, SHIZUOKA-KEN, JAPAN.

Inventor : HITOSHI SATOMI.

Application for Patent No. 267/Del/89 filed on 23 March 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

Ind. Cl. : 691

174863

Int. Cl. : H01H 33/00

## A HIGH TENSION CIRCUIT BREAKER.

Applicant : ALSTHOM, OF 38 AVENUE KLEBER, 75784 PARIS CEDEX 16, FRANCE.

Inventors : EDMOND THURIES, DENIS DUFOURNET AND MICHEL PERRFT.

Application for Patent No. 259/Del/89 filed on March 20, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

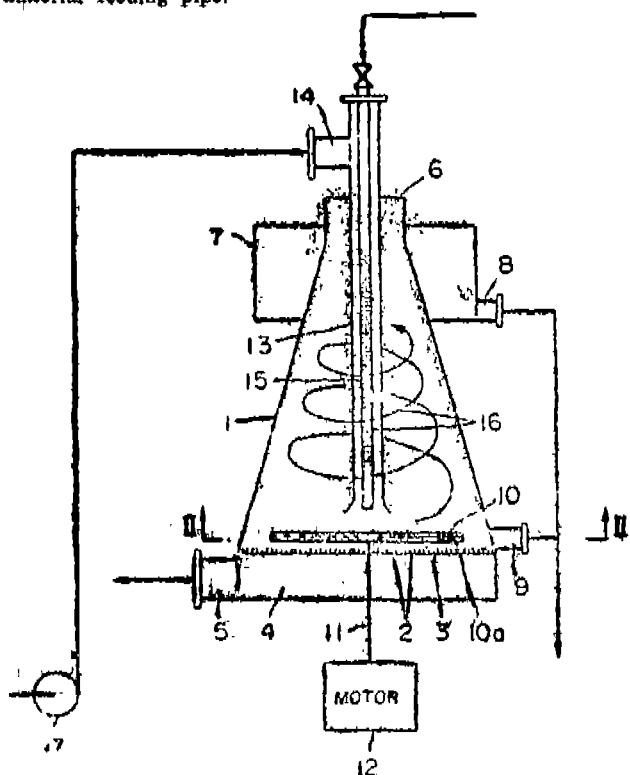
## 8 Claims

"A high tension circuit breaker comprising at least one interrupting chamber comprising an outer insulating envelope containing a dielectric gas, an immobile assembly fixed to said envelope and including a main contact and a tubular arcing contact coaxial to said main contact, a moving assembly including a tubular moving main contact and a tubular moving arcing contact said moving main and arcing contacts defining a first volume constituting a blast cylinder opening out in a blast nozzle, said envelope containing an immobile first piston fixed to said envelope by a first tube, said envelope containing a first tubular secondary contact fixed to said first tube, located coaxially and inside said first tube, said envelope containing a second tubular secondary contact provided with sliding electrical contact cooperating with said tubular moving arcing contact and fixed to an insulating part sliding on said tubular moving arcing contact, the second volume defined by said first tube, said moving arcing contact and said insulating part being closed by a second piston fixed to said tubular moving arcing contact, said second volume containing said second contacts said insulating part being able to move vis-a-vis said moving arcing contact between a first position and a second position along said moving arcing contact in order to limitate the separation distance between the ends of said secondary contacts to a value less than the maximum separation distance between said arcing contact.

an impeller (10) disposed in said primary chamber at the central portion thereof near said screen and provided with pump-up vanes to be rotated by a driving means (12);

a starting material feeding pipe (13) inserted and extending into said primary chamber through said port for feeding said starting paper material to be treated into the primary chamber; and

an air supplying pipe (15) inserted into and coaxially with said starting material feeding pipe for supplying air into said starting paper material, said air supplying pipe being provided through a peripheral wall surface thereof with a number of fine holes through which air is blown and diffused into the starting paper material passing said starting material feeding pipe.



Comp. Specn. 13 Pages.

Drgs. 4 sheets

Ind. Cl. : A 61 F 9/00

174665

Int. Cl. : 128 G.

#### APPARATUS TO ADJUST THE CURVATURE OF THE CORNEA OF AN EYE.

Applicant : KERAVISION, INC., OF 2384 WALSH AVENUE, SANTA CLARA, CALIFORNIA 95051, UNITED STATES OF AMERICA.

Inventor : LAUREN GORDON KILMER, AND ALVIN EUGENE REYNOLDS.

Application for Patent No. 294/DEL/89 filed on 30 March 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Delhi.

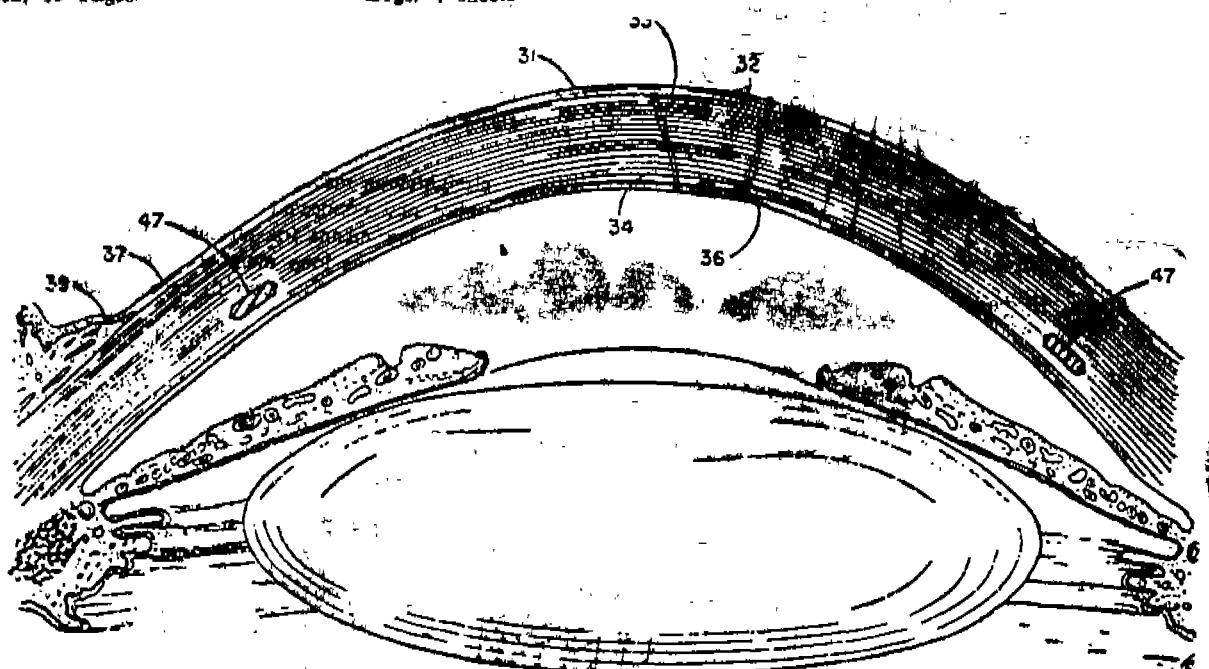
#### Claims 9.

Apparatus to adjust the curvature of the cornea of an eye, comprising :

a corneal curvature adjustment ring, said adjustment ring being substantially flat in cross-section and preformed such that said ring is sloped at an angle N which substantially corresponds to the slope of the interior of said cornea, said adjustment ring includes a forward end and a trailing end, a dissector on said forward end adapted to dissect a circular pathway in said cornea for the receipt of said adjustment ring, and an adjuster on said adjustment ring adapted to adjust and maintain the distance between said forward and trailing ends;

a drive ring, said drive ring being preformed in a flat wire edge coiled helix wherein the coil is sloped at said angle N, the interior edge of the drive ring adapted to releasably interconnect with said adjustment ring and one end of said drive ring adapted to releasably interconnect with said adjustment ring; and

a cylindrical holder wherein the bottom of said holder is adapted to retain the other free end of said drive ring.



(Comp. Specn. 20 pages;

Drwg. Sheets 5)

Ind. Cl. : 129 G

174866

Int. Cl. : B 21 D 3/00.

MAGNETIC SEPARATOR FOR SEPARATING PARTICLES OF LESSER CONDUCTIVITY IN A MIXTURE OF SAID PARTICLES.

Applicant: STEINERT ELEKTROMAGNETBAU GMBH, OF WIDDERSDORFER STRASSE 329-331, 5000 KOELN, WEST GERMANY.

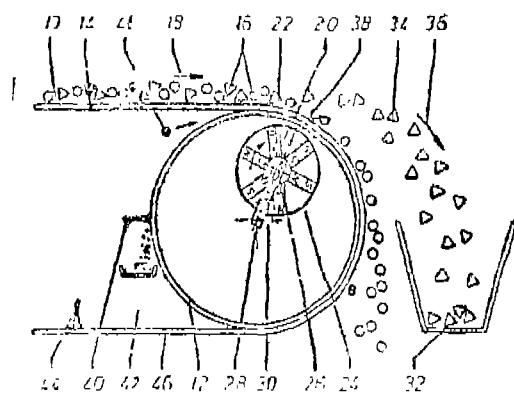
Inventor: KLAUS FEISTNER AND GERD FASSBENDER.

Application for Patent No. 304/Del/89 filed on 31st March 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

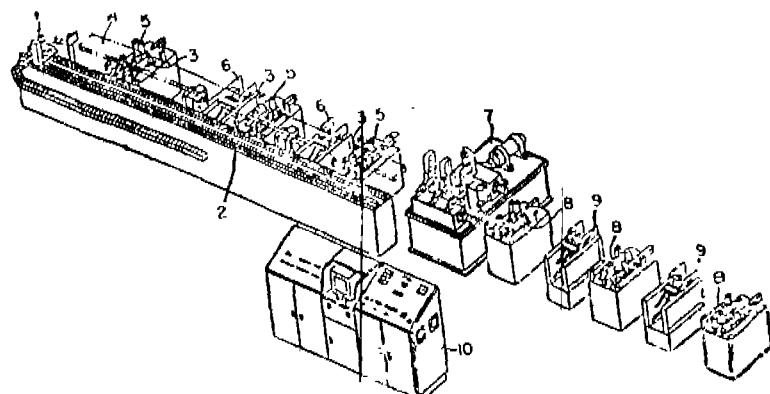
## Claims 7

A magnetic separator for separating particles of relatively good electrical conductivity from particles of lesser conductivity in a mixture of said particles, said separator having a conveyor belt carrying said mixture of particles to be sorted, a belt drum of electrically non-conductive material over which said belt is guided, a magnet system rotatable at a greater speed than the rotational speed of the belt drum in which said magnet system is located so that currents from the magnet system induced in the mixture of particles to be separated are stronger for the particles having good electrical conductivity than for the particles having lesser conductivity, the particles of good electrical conductivity being accelerated by the higher rotational speed of the magnet system to be thrown into a trajectory separate from the particles of lesser conductivity, a collecting container disposed in the path of the trajectory of particles having good electrical conductivity for receiving such particles separated out from the mixture, characterised in that said magnet system has a diameter substantially less than the inside diameter of the belt drum in which said magnet system rotates, the center of rotation of said magnet system being located eccentrically to the centre of said belt drum to bring about a non-equal magnetic force around the periphery of said belt drum.



(Comp. Specn. 10 pages)

Drwg. Sheets 1)



(Comp. Specn. 17 pages)

Drwg. sheets 4)

Ind. Cl. : 129 G

174867

Int. Cl. : B 21 D 3/00.

APPARATUS FOR STRAIGHTENING A LONG METAL MEMBER HAVING A PREDETERMINED DIMENSION.

Applicant: KABUSHIKI KAISHA TOSHIBA, OF 72 HORIKAWA-CHO, SAIWAI-KU, KAWASAKI-SHI, KANAGAWA-KEN, JAPAN.

Inventor: NOBUKAZU KODERA AND TAKEO KAKUTI.

Application for Patent No. 304/Del/89 filed on 31st March 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## Claims 3

An apparatus for straightening a long metal member having a predetermined dimension comprising:

measuring means for preliminarily measuring distortions of a plurality of points of the long metal member at which the distortions are to be straightened, said measuring means slidably mounted on a guide rail for enabling said measuring means to be moved to different positions along the path of travel of the long member, said path of travel of the metal member extending over series of rotatable rollers for moving said metal member;

calculating means connected to said measuring means and for calculating an amount of distortion to be straightened at certain one point of said plurality of points in consideration of amounts of distortion to be straightened at the other points so that the long metal member has substantially a linearly straight shape;

straightening means in the path of travel of said long metal member and connected to said calculating means, said straightening means for straightening the distortion at said one point of the long member in accordance with the calculated amount of distortion to be straightened.

Ind. Cl. : 27 I

174868

Int. Cl. : E04B 1/00.

## A PREFABRICATED BUILDING STRUCTURE.

Applicant: ALEJANDRO STEIN, OF RESIDENCIAS SIERRA NEVADA, CALLE CHULE VISTA, CHULA VISTA LAS MERCEDES, CARACAS, VENEZUELA.

Inventors: Nil.

Application for Patent No. 316/Del/89 filed on April 06, 1989.

Ante dated to 30-1-84.

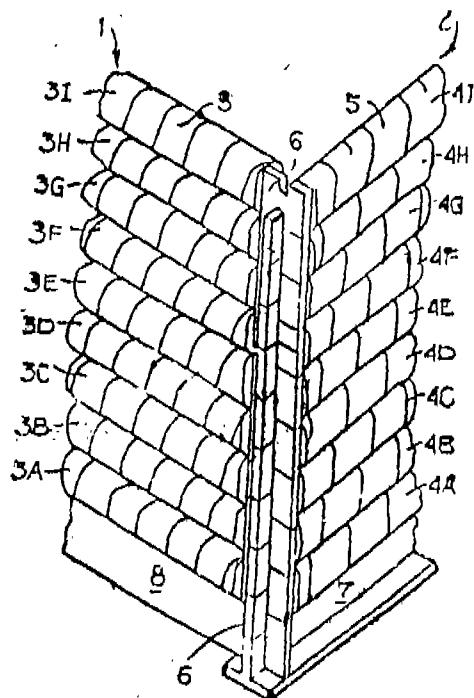
Divisional to 902/Del/86 filed on January 30, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## Claims 2

A prefabricated building structure comprising at least four walls, with each wall interlinked with a similar adjacent wall, each said being comprised of a plurality of horizontally disposed hollow tubular structural members located one upon another, said walls meeting in an angular abutting relating and an end connector receiving and retaining the abutting ends of said hollow tubular structural members to form a corner, said connector being affixed to the abutting end of each of the said hollow tubular structural members.

said end connector comprising a vertical member having vertical grooves of a width greater than the width of said hollow tubular structural members, the abutting ends of said hollow tubular structural members being inserted into said grooves.







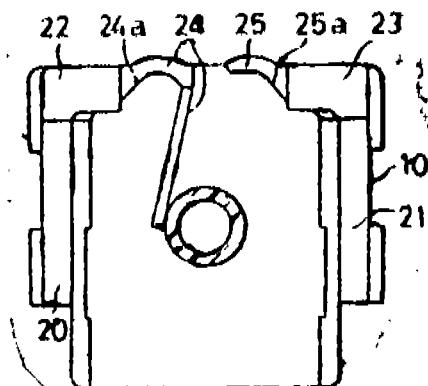
at one end of the terminal, a coil end connecting portion is provided,

at said terminal mounting portion, terminal inserting holes and recesses for receiving the coil end connecting portions are provided.

the grooves for receiving coil end wires are extended from the coil winding portion to the recesses, and

the total lengths of the grooves are respectively adapted to be approximately equal to the lengths of the coil end wires which are extended from the coil winding to the coil end connecting portion of the terminal mounted on the bobbin.

FIG. 3



(Compl. Specn. 14 pages;

Drgns. 2 sheets)

Cl. : 194 C 1.

174876

Int. Cl. : H 01 J 31/00.

A DEVICE FOR REMOVING GAS WITHIN THE INTERIOR OF A CATHODE RAY TUBE.

Applicant : SAMSUNG ELECTRON DEVICES CO. LTD. O.F. 575, SHIN-RI, TAEN-EUB, HWASEONG-GUN, KYUNGGI-DO, KOREA.

Inventor : MU-HO JEONG.

Application No. 377/Cal/1990; filed on 10th May, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

A device for removing gas within the interior of a cathode ray tube comprising :

- a getter container (10b) for containing a gas getter;
- a strap (11b) adapted to be connected at one end to the anode cup (30) of an electron gun installed in the neck portion of said cathode ray tube and having said container secured to it at the other end;
- a contact terminal (12b) in contact with the bottom of said strap and adapted to electrically connect said strap to graphite film (G) coated on the inner surface of the funnel (20) of said cathode ray tube,

characterised in that said terminal is secured to bottom of said strap at a position intermediate between said two ends of said strap so that, when said getter container is heated, said terminal is not directly heated.

FIG. 3

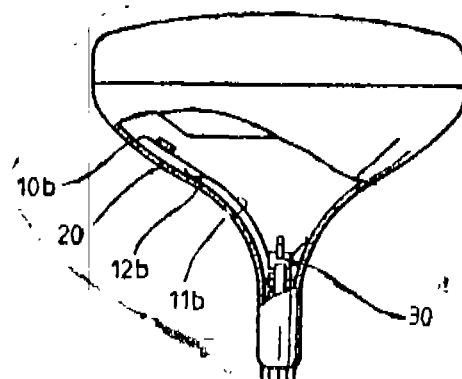
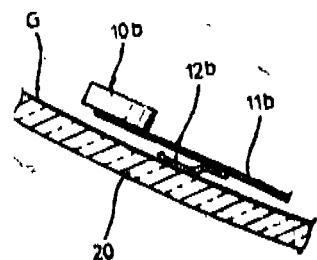


FIG. 4



(Compl. Specn. 8 pages;

Drgns. 2 sheets)

Cl. : 66 B.

174877

Int. Cl. : B 23 K 09/00.

A METHOD OF PRODUCING A HEATED WORK-PIECE.

Applicant : ESAB WELDING PRODUCTS, INC. OF EBENEZER ROAD, POST OFFICE BOX F-6000 FLORENCE, SOUTH CAROLINA 29501, UNITED STATES OF AMERICA.

Inventors :

- (1) WAYNE STANLEY SEVERANCE, JR.
- (2) TOMMIE ZACK TURNER.

Application No. 333/Cal/1990; filed on 23rd April 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A method of producing a heated workpiece wherein the process of starting a plasma arc torch of the type comprising a metallic electrode and a nozzle assembly positioned adjacent a discharge end of the electrode and which minimises the oxidation of the electrode and thereby extends the life of the electrode comprises the steps of generating a flow of a non-oxidizing gas between the discharge end of the electrode and the nozzle assembly, then creating a pilot arc between the discharge end of the electrode and the nozzle assembly, then transferring the pilot arc so as to create a transferred arc which extends from the discharge end of the electrode to a workpiece positioned on the side of the nozzle assembly opposite the electrode characterised in that while carrying out said step of transferring the pilot arc substantially concurrently terminating the flow of the non-oxidizing gas and generating a flow of an oxidizing gas between the discharge end of the electrode and the nozzle assembly and such that the transferred arc and the oxidizing gas create a plasma arc flow between the discharge end of the electrode and the workpiece.

(Compl. Specn. 12 pages;

Drgns. 2 sheets)

Cl. : 32 A 2

174878

Int. Cl. : C 09 B 26/06, 62/04.

## A PROCESS FOR PREPARING A WATER-SOLUBLE DYE.

Applicant : HOECHST AKTIENGESELLSCHAFT, OF D 6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

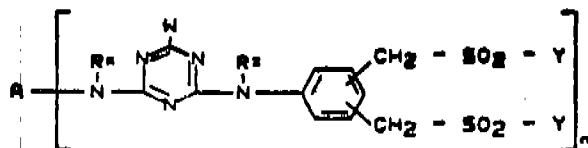
Inventor : HOLGER MICHAEL BUCH.

Application No. 228/Cal/1990; filed on 20th March, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 9 Claims

A process for preparing a water-soluble dye of the general formula (1)



in which

**A** is the radical of a monoazo, disazo or polyazo dye or of a heavy metal complex azo dye or of an anthraquinone, phthalocyanine, formazan, azomethine dioxazine, phenazine, stilbene, triphenylmethane, xanthene, thioxanthone, nitroaryl, naphthoquinone, pyrenequinone or perlenetetracarboximide dye;

**R<sup>x</sup>** is hydrogen or alkyl of 1 to 4 carbon atoms, which can be substituted by halogen, hydroxyl, cyano, alkoxy of 1 to 4 carbon atoms, alkoxy carbonyl of 2 to 5 carbon atoms, carboxyl, sulfamoyl, sulfo or sulfato;

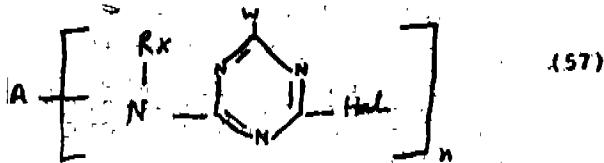
**R<sup>y</sup>** is hydrogen or alkyl of 1 to 4 carbon atoms, which can be substituted by halogen, hydroxyl, cyano, alkoxy of 1 to 4 carbon atoms, alkoxy carbonyl of 2 to 5 carbon atoms, carboxyl, sulfamoyl, sulfo or sulfato;

**W** is fluorine, chlorine, bromine, sulfo, phenyl-sulfonyl or alkylsulfonyl of 1 to 4 carbon atoms;

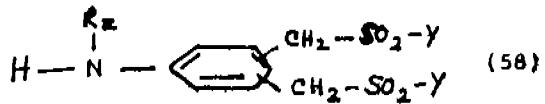
**Y** is vinyl or  $\beta$ -sulfatoethyl,  $\beta$ -thiosulfatoethyl,  $\beta$ -phosphatoethyl,  $\beta$ -alkanoyloxyethyl of 2 to 5 carbon atoms in the alkanoyl radical,  $\beta$ -benzyloxyethyl,  $\beta$ -(sulfonyloxyethyl),  $\beta$ -(toluenesulfonyloxyethyl) or  $\beta$ -halogenoethyl;

**n** is the number 1 or 2, preferably 1;

which comprises reacting at a temperature of between  $-5^{\circ}\text{C}$  and  $+40^{\circ}\text{C}$  and at a pH of between 2 and 8 a compound of the general formula (57)



in which **A**, **R<sup>x</sup>**, **W** and **Y** have the meanings mentioned above and **Hal** is a halogen atom with an amino compound of the general formula (58)



in which **R'** and **Y** have the aforesaid meanings in stoichiometric amounts.

(Comp) Specn—94 pages;

Drgns. Nil

Cl. 39 E.

174879.

Int. Cl. : C 01 D 7/00, 7/22, D 21 C 8/00.

## A NOVEL METHOD FOR RECOVERY OF CAUSTIC SODA FROM BLACK LIQUORS OF SODA PULPING PROCESS.

Applicant &amp; Inventor : FUNYA BRATA CHAUDHURI, OF PLANKGATAN 26, S-602 19 NORRKOPING, SWEDEN.

Application No. 1003/Cal/1990; filed on 29th November, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 6 Claims

Method for the recovery of sodium values as caustic soda from black liquors of soda pulping process for making chemical pulp for paper industry comprising treating black liquor, containing at least 12 percent by weight of solids obtained at end of pulping process, to massive carbonisation at temperatures such as herein described, by high, at least 14 percent, carbon dioxide containing gases, such as flue gas, reducing the pH of black liquor from initial 11.5 to 12 to 8 to 9, sedimentation of the so treated liquor in sedimentation tanks, filtering the sediment, mixing the filtrate with the supernatant liquor from the sedimentation tank and heating the same to 99 degrees centigrade and treating it with excess of burnt lime e.g. 20 to 25% more than stoichiometric requirement, to causticize it.

(Compl. specn. 8 pages;

Drng. 1 sheet.)

Cl. 167 C.

174880.

Int. Cl. : B 01 D 45/08.

## INTERNAL IMPACT TYPE PARTICLE SEPARATOR.

Applicant : THE BABCOCK &amp; WILCOX COMPANY, OF 1010, COMMON STREET, P. O. BOX, 60033, NEW ORLEANS, LA 70160, UNITED STATES OF AMERICA.

Inventors : (1) FELIX BELIN, (2) DAVID ERIC JAMES &amp; (3) DAVID JUDSON WALKER.

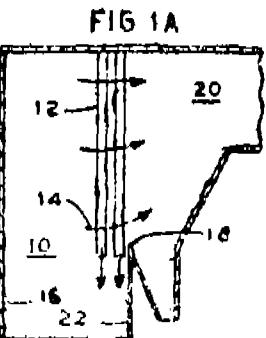
Application No. 765/Cal/1990; filed on 05th September, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 16 Claims

An internal impact type particle separator for a circulating fluidized bed combustor comprising a plurality of concave impingement members supported within a furnace enclosure, said members extending uniformly in at least two staggered rows fully across and just upstream of a furnace exit opening, said members also extending along the length of said opening and terminating at a location below the lower elevation of said exit opening with the collected particles falling unob-

structed and unchanneled directly underneath said members and along one wall of said furnace enclosure for reentrainment and recycling thereof, said staggered rows being spaced from each other distance of not less than 50% of the distance between adjacent said members with one said row being spaced from said furnace wall a distance less than the depth of a said concave impingement member.



Compl. specn. 12 pages.

Drgns. 2 sheets.

Ind. Class. - 40-H

174881

Int. Cl. - B 01 D 53/02.

#### A PRESSURE SWING GAS SEPARATOR

Applicant : THE HASER COMPANY LIMITED, A BRITISH COMPANY OF MORAY HOUSE, 16 BANK STREET, INVERNESS, IV1-QY, GREAT BRITAIN.

Inventor : ALAN ARTHUR WELLS

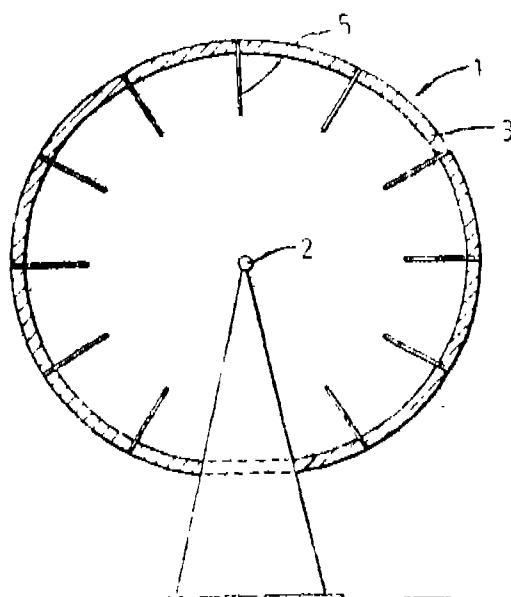
Application No. 826/Mas/89 filed November 7, 1989.

Convention date : November 10, 1988; (No. 8826378.5; Great Britain).

Appropriate office for opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

#### 9 Claims

A pressure swing gas separator comprising a bed of adsorbent material (8, 32, 47) forming part of a resonant system and operating means (9, 33, 41) connected to the bed of adsorbent material for operating at the resonant frequency of the resonant system to pressurise and depressurise the bed of adsorbent material for recovering the pressure energy of the desorbed gas mixture wherein the said gas separator is capable of operating with a pressure difference between its pressurised and depressurised states of less than 0.1 bar.



Inventors : 1. JAMES A KARABEDIAN, 2. DAVID A PRATT.

Application No. 7/Mas/90 filed on 3rd Jan 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) The Patent Office Branch, Madras-600 002.

44 Claims

A carrier for a container package for cans having a body portion & a peripheral bead at the upper end thereof, and an inclined portion extending upwardly from the body portion and inwardly toward the bead, said carrier comprising a sheet of flexible plastic material having a plurality of openings for receiving the upper ends of the cans, the modulus of elasticity of said sheet, the thickness of said sheet, and the spacing and size of said openings being such that when the carrier is applied to an array of cans, the cans are maintained in abutting relationship of the bodies thereof, the plane of the sheet remains substantially undisturbed, and the upper ends of the cans are maintained in substantially the same plane when the package is lifted by engaging the carrier;

(Comp. Spec. 39 pages

15 sheet Drwg.)

Ind. Cl. : 205 K

174884

Int. Cl. : B 60 C 11/00.

A TREAD FOR A VEHICLE TIRE WITH RADIAL CARCASS REINFORCEMENT.

Applicant : COMPAGNIE GENERALE DES ESTABLISSEMENTS MICHELIN-MICHELIN & CIE, 12 COURS SABLON 63040 CLERMONT-FERRAND CEDEX FRANCE. A FRENCH COMPANY.

Inventor : LUROIS PATRICK.

Application No. 93/Mas/90 filed on 15th February, 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

8 Claims

A tread for a vehicle tire with radial carcass reinforcement comprising circumferential grooves to provide the tread with at least five ribs, provided with incisions of width less than 3 mm which are transverse and substantially parallel to each other, spaced circumferentially by a pitch of between 0.005 and 0.013 times the circumferential length of the tire measured in the equatorial plane, wherein at least the ribs (20) defined by two circumferential grooves (10) are provided with incisions (30) debouching on the two grooves, all inclined at an angle  $\alpha$  of between  $5^\circ$  and  $25^\circ$  with respect to the perpendicular (P) to the tread such that the resultant force exerted upon travel on the ellipse of contact by the ground on the tread (1) tends to straighten the incisions (30) towards a zero inclination with respect to said perpendicular (P) to the tread (1) the latter having in its axial portion, contained between the two axially outermost grooves (10, 11) a transverse radius of curvature (R) at least equal to 50% of the equatorial radius of curvature (R<sub>E</sub>) of the tire mounted on its nominal operating rim and inflated to the recommended pressure.

(Comp. Spec. : 22 pages;

Drwg. 5 sheets)

Ind. Cl. : 85-B

174885

Int. Cl. : B 01 J 8/24

A REACTOR CHAMBER IN A FLUIDIZED BED REACTOR

Applicant : A. AHLSTROM CORPORATION, A FINNISH CORPORATION, OF SF-29600 NOORMARKU, FINLAND.

Inventors : (1) LASSE IJAS

(2) AIMO ASIKAINEN

(3) ARTO HOTTI

(4) NEIL RASKIN

(5) JAMES STONE

(6) GREGORY BEAVERS

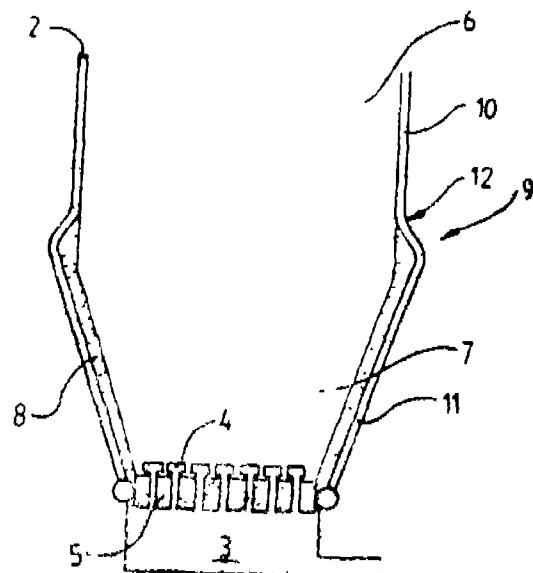
(7) DAVID WATSON

Application No. 138/Mas/90 filed on February 21, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

15 Claims

A reactor chamber in a fluidized bed reactor comprising a grid at the bottom of the reactor chamber and walls defining the reactor chamber horizontally, said walls having a substantially vertical upper waterwall section in the upper part, the tubes, in the waterwall being combined with fins or plate to form the waterwall; a refractory lined lower wall section in the lower part, and an intermediate waterwall section between the upper waterwall section and the refractory lined lower wall section characterized in that a waterwall in the intermediate waterwall section is bent outwardly from the upper section at a preselected angle to the vertical plane forming a first bend.



(Com.—13 pages;

Drwg.—4 sheets)

Ind. Cl. : 32 B

174886

Int. Cl. : C 07 C 7/10.

A METHOD OF EXTRACTING HYDROCARBON.

Applicant : INSTITUT FRANCAIS DU PETROLE OF 4 AVENUE DE BOIS PREAU 92502 RUEIL MALMAISON FRANCE A FRENCH COMPANY.

Inventor : JEAN COMBE.

Application No. 152/Mas/90 filed on 27th February, 1990.

Appropriate office for the opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

6 Claims

A method of extracting hydrocarbon from subterranean hydrocarbon deposits contained in a reservoir comprising the steps of drilling a plurality of wells first in a direction vertical to the surface of the said reservoir and thereafter extending the same as horizontal drains within the said reservoir.

the said horizontal drains forming, at least in part, a polygonal geometric shape, with respect to the plane of the reservoir; injecting a fluid to the said reservoir through selected drains to displace hydrocarbons from the said reservoir to the said wells, regulating the flow rate of the injected fluid such that the sum of the flow rate of the injected fluid is substantially equal to the sum of the flow rate of the extracted hydrocarbon.

Compl. Specn. 12 pages

Drg. 1 sheet

Ind. Cl. : 23-H & 143-D4

174887

Int. Cl. : D 04 D 7/10.

#### A BOW PACK RIBBON ASSEMBLY.

Applicant : VANAJA RIBBON & ALLIED INDUSTRIES, AN INDIAN COMPANY OF 2ND MAIN ROAD, C. K. CHANNAPPA GARDEN, MISSION ROAD CROSS, PB NO. 2719, BANGALORE-560 027, INDIA.

Inventor : MAGAJI GANDADHARASA VASUDEVA.

Application No. 291/Mas/90 filed April 17, 1990.

Additional to Patent No. 164467.

Appropriate office for the opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

#### 4 Claims

A bow pack ribbon assembly comprising at least two ribbons (A, B) having means for interlocking disposed between the ribbons at pre-determined intervals, (D) along the length of the ribbons to connect the said ribbons and at least one interlace element (C) attached to the said means for interlocking, one end of said interlace element being fixed to one end of the said ribbon assembly, the said interlace element when drawn out interlocks the interlocking means thereby to form loops of ribbon on either side thereof.

Compl. Specn. 9 pages

Drg. 1 sheet

Ind. Cl. : 95-C&H

174888

Int. Cl. : B 25 B 27/00.

#### JIG FOR HOLDING A PLURALITY OF DISC BRAKE PADS.

Applicant : AKEBONO BRAKE INDUSTRY CO. LTD., A JAPANESE COMPANY OF 19-5 JHONBASHI KOAMICHI, CHUO-KU, TOKYO, JAPAN.

Inventor : MASAJI KITAJIMA.

Application No. 321/Mas/90 filed on April 25, 1990.

Appropriate office for the opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

#### 5 Claims

A jig for holding a plurality of disc brake pads during curing thereof, the jig comprising :

a frame having a front plate and a rear plate;

a pair of hanger shafts extending between said front plate and said rear plate;

a front support plate and a rear support plate for supporting brake pads there between, the front support plate and the rear support plate being slidably disposed on said hanger shafts and being guided by said hanger shafts;

spring means between said rear plate and said rear support plate for urging the rear support plate toward the front plate; and

driving means mounted on said front support plate for driving said front support plate toward the rear support plate to apply a predetermined compression force to brake pads disposed therebetween, said driving means including a bolt connecting the front support plate to the front plate, and a gear rotatably supported surface thereof, said front support plate being pushed toward said rear plate by said bolt upon rotation of said gear.

Compl. 15 pages

Drgs. 2 sheets

Ind. Cl. : 107-J

174889

Int. Cl. : F 02 N 5/02.

#### A DRIVE ASSEMBLY FOR INERTIA TYPE ELECTRICAL STARTER MOTORS FOR CRANKING I.C. ENGINES.

Applicant : LUCAS-TVS LIMITED, PADI, MADRAS-600 050, TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventor : MAYUR ANANTHACHARI SRINIVASAN.

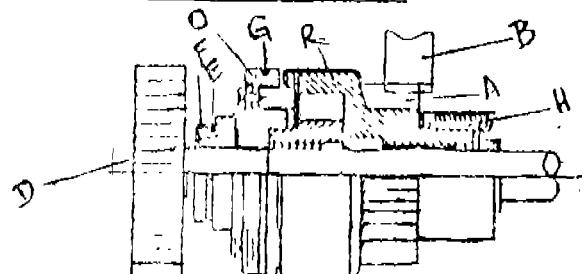
Application No. 197/Mas/90 filed October 9, 1990.

Appropriate office for the opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

#### 4 Claims

A drive assembly for inertia type electrical starter motors for cranking I.C. engines comprising a roller clutch and pinion provided with return spring; a first set of spring-loaded weights mounted on the clutch and a second set of spring-loaded weights mounted adjacent the clutch, whereby as the starter motor is switched on and the drive assembly moves forward to engage the pinion with the ring gear of the engine, the second set of weights move radially outwards, against spring loading, under centrifugal force, to block the first set of weights, thus keeping the pinion engaged with the ring gear until the engine starts, whereafter, if the engine starts, the first set of weights move radially outwards, clearing over the second set of weights, to allow the drive assembly to retract under the influence of the said return spring, but if the starter motor stalls, the second set of weights return to rest to allow the drive assembly to retract under the influence of the said return spring.

#### AT REST POSITION



Compl. 9 pages

Drg. 1 sheet

Ind. Cl. : 104 G

174890

Int. Cl. : A 01 G 23/00.

#### A DEVICE FOR CHANNELLING RAIN WATER AWAY FROM THE TAPPING ZONE OF A LATEX YIELDING TREE AND FOR PREVENTING THE SPREAD OF MOISTURE IN THE SAID ZONE.

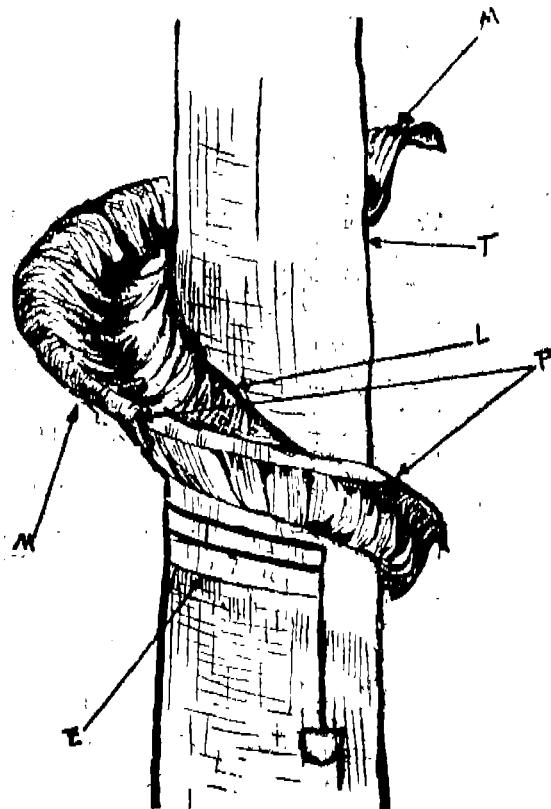
Applicant & Inventor : PUTHUPARAMPIL VARUGHESSE DEVASIA, ALIS GEORGE SEBASTIAN PUTHUPARAMPIL, PUTHUPARAMPIL HOUSE, OZHAKKANADU, ERUMELY P.O., KOTTAYAM DISTRICT, KERALA, INDIA, INDIAN NATIONAL.

Application No. 996/Mas/90 filed on 10th December, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Branch Madras.

### 9 Claims

A device for channelling rain water away from the tapping zone of a latex yielding tree and for preventing the spread of moisture in the said zone, comprising a channel member of which one side is attached to an absorbent lining for being adhesively bonded, in helical configuration, to the trunk of the tree, above the tapping zone thereof, the portion of the said member overhanging the said zone having a larger width, the lining extending beyond the ends of the said member for being adhesively bonded to the trunk of the tree in the form of vertically disposed strips.



Compl. Specn. 9 pages;

Drg. 1 sheet.

### OPPOSITION PROCEEDINGS

An Opposition as entered by M/s. Godrej Soaps Limited, Bombay to the grant of a Patent on Patent Application No. 169427 (252/Bom/89) made by the Tata Oil Mills Company Limited, Bombay as notified in the Gazette of India, Part III, Section 2 dated 2nd May, 1992 has been dismissed and it is ordered that the application for Patent No. 169427 shall proceed to sealing.

### CLAIM UNDER SECTION 20(1)

In pursuance of leave under Section 20(1) of the Patents Act, 1970 application No. 1024/Del/88/174323 of UNIROYAL GOODRICH TIRE COMPANY of 600 South Main Street, Akron Ohio 44397-0001, U.S.A. has been allowed to proceed in the name of UNIRoyal GOODRICH LICENSING SERVICES, INC., 15, North Street, Dover, Delaware 19901, U.S.A.

### AMENDMENT PROCEEDING UNDER SECTION 57

The amendments proposed by Spx Corporation of 700 Terrac Point Drive, Post Box No. 3301 Muskegon, Michigan 49443-3301, U.S.A. a corporation organised and existing

under the laws of the state of Delaware, in respect of Patent Application No. 171611 as advertised in part III, Section 2, of the Gazette of India on the 20-2-93 no opposition being filed within the stipulated period the said amendment has been allowed.

Amendment sought under Section 57 of the Patents' Act, 1970 for amendment of address for service in respect of Application No. 18/Bom/1992/174137 and as published in the Gazette of India, Part III, Section 2 dated 17-9-1994 is hereby allowed.

### CESSATION OF PATENTS

166327 166329 166334 166356 166360 166362 166364 166376  
166392 166438 166504 166523 166537 166539 166545 166548  
166532 166553 166559 166563 166576 166603 166638 166667  
166681 166686 166695 166706 166708 166709 166712 166718  
166741 166755 166774 166793 166796 166800 166814 166815  
166820 166825 166846 166872 166879 166880

### PATENTS SEALED ON 24-2-95

163823 169798 171952 172151 172824 173237 173788 173858  
173859\*D 173860\*D 173863\*D 173864\*D 173865\*D  
173867\*D 173868\*D 173869\*D 173870\*D 173871 173872\*  
173873 173875 173877 173880 173883\* 173884 173885  
173886 173891 173892 173893 173894 173895\*D 173896\*D  
173897 173898 173899 173900

Cal—14, Del—8, Bom—10 & Mas—5.

\*Patent shall be deemed to be endorsed with the Words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of Sealing.

D—Drug Patent, F—Food Patent.

### RENEWAL FEES PAID

154449 155391 155476 155627 155670 155846 156530 156613  
156675 156709 156711 156712 157317 157320 157331 157852  
157977 158164 158264 158735 159104 159171 159510 159666  
159941 160079 160232 160803 160871 161253 161367 161402  
161676 162058 162848 162944 163067 163292 163440 163701  
163798 164421 164479 164536 164577 165339 165448 166132  
166298 166423 166461 166464 166618 166703 167056 167894  
167535 167571 167632 167659 167729 167868 167869 167889  
168150 168273 168548 168554 168559 168643 168751 168858  
168866 168950 168989 169000 169019 169066 169069 169095  
169160 169230 169365 169610 169724 170037 170154 170172  
170296 170355 170365 170512 170605 170955 170960 171081  
171135 171304 171305 171508 171530 171733 171934 171967  
172051 172052 172095 172347 172380 172424 172429 172438  
172466 172612 172617 172619 172697 172719 172851 172866  
172879 172930 172993 172995 173031 173035 173041 173042  
173044 173046 173054 173057 173058 173059 173132 173133  
173135 173136 173140 173191 173192 173197 173198 173201  
173202

### RESTORATION OF PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 170638 granted to G.S.N. Panicker for an invention relating to "an improved cycle rickshaw."

The Patent ceased on the 15th February, 1994 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent will be notified in the Gazette of India, Part III, Section 2 dated the 18th March, 1995.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents. The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4,

Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 25-5-1995 under Rule 69 of the Patents Rules 1972. A written Statement in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 170796 granted to Hari Pada Das for an invention relating to "a device for fixing a screw in wall."

The Patent ceased on the 18th March, 1995 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent will be notified in the Gazette of India, Part III, Section 2 dated the 18th March, 1995.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 25-5-1995 under Rule 69 of the Patents Rules 1972. A written Statement in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application for restoration of patent No. 171387 dated the 20th May 1988 made by Electro-Scan Corporation on the 26th July, 1994 and notified in the Gazette of India, Part III, Section 2, dated the 24th September, 1994 has been allowed and the said patent restored.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 172538 granted to Kshetra Pal Singh for an invention relating to "a bicycle or cycle rickshaw having a speed changer."

The Patent ceased on the 7th December, 1994 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent will be notified in the Gazette of India, Part III, Section 2 dated the 18th January, 1995.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 25-5-1995 under Rule 69 of the Patents Rules 1972. A written Statement in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 172675 granted to Ravi Kamal Bali for an invention relating to "an improved temper proof seal for directly locking the container."

The Patent ceased on the 4th January, 1995 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent will be notified in the Gazette of India, Part III, Section 2 dated the 18th January, 1995.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 25-5-1995 under Rule 69 of the Patents Rules 1972. A written Statement in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for Period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 3. Nos. 166821, 166823, 166826 to 166830, Ajanta Transistor Clock Mfg. Co., Orpat Industrial Estate, Rajkot Highway, Post Box No. 115, Morbi 363641, State of Maharashtra, India and Indian partnership firm whose are 1. Manubhai Ukhambhai Patel, 2. Pravin Kumar Odhavji Patel, 3. Raghavji Bhanjibhai Patel, 4. Jaisukhlal Odhavji Patel, 5. Nandlal Valamji Patel, 6. Ambaram Pranjivan Patel, 7. Devendrakumar Chaturbhai Patel, 8. Mithabhai Shamjibhai Patel, 9. Maganlal Becharbhai Patel and 10. Sureshchandra Jethalal Patel all of Indian nationality, "WALL CLOCK", 14th February 1994.

Class 4. Nos. 167476 & 167477, Shrimati Harkishan Kaur, Jagtar Singh and Amarjeet Singh Trading as Veena Perfumery Company and also as Sohan Singh Attarwala & Son, an Indian registered partnership firm, having its office at Karmon Deori, Amritsar, Punjab, India and also at 7-A/7-8, Block UA 3, Veena Building, Jawahar Nagar, Delhi-110007, India, "BOTTLE", 16th May 1994.

Class 3. No. 167241, Richie Rich Products, A 18, Ram House, Middle Circle, Connaught Place, New Delhi-110001, India and Indian sole Proprietorship concern, "TOY", 25th April 1994.

Class 3. No. 167211, Girdharikumar Kacharbhali Patel, Address—Dharaji, Dist. Rajkot-360410, Gujarat State, India, "SEAL", 19th April 1994.

R. A. ACHARYA  
Controller General of Patent,  
Design & Trade Mark.